

17157 U.S. PTO
030104

UTILITY PATENT APPLICATION TRANSMITTAL
(for Noncontinuing, Nonprovisional Applications
under 37 C.F.R. § 1.53(b))

Attorney Docket No. 81671

Customer No. 22242

22390 U.S. PTO
10/791209
030104

Mail Stop PATENT APPLICATION
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Transmitted herewith for filing under 37 C.F.R.
§ 1.53(b) is the nonprovisional, noncontinuing
patent application for:

Title: DETECTION OF STRP, SUCH AS
FRAGILE X SYNDROME

First Named Inventor or Application Identifier:

Soonkap Hahn

CERTIFICATE OF MAILING BY "EXPRESS MAIL"

"Express Mail" Mailing Label Number

EV 410721547 US

Date of Deposit March 1, 2004

I hereby certify that this paper or fee is being deposited
with sufficient postage utilizing the United States
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Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Karin E. Harden

(Typed or printed name of person mailing)

Karin E. Harden
(Signature of person mailing)

- ☐ 31 pages of the specification (including claims) are enclosed.
- ☐ 0 sheet(s) of drawings are enclosed. ☐ Formal ☐ Informal
- ☒ An executed Oath or Declaration and Power of Attorney naming the actual inventors is enclosed.
- ☐ The names of persons believed to be the actual inventors are set forth in the enclosed unexecuted Oath or Declaration and Power of Attorney (§ 1.41(a) and § 1.53(b)).
- ☐ An Assignment of the invention to _____, and cover sheet are enclosed.
- ☐ A check in the amount of \$ _____ to cover the fee for recording the assignment is enclosed.
- ☐ The Recordation Form Cover Sheet includes authorization to charge our Deposit Account for recording the assignment.
- ☐ A 37 C.F.R. § 3.73(b) statement is enclosed where an assignee seeks to take action.
- ☐ An Information Disclosure Statement is enclosed.
- ☐ A Form PTO/SB/08 is enclosed.
- ☐ _____ References (copies) listed as foreign patent documents or non-patent literature on Form PTO/SB/08 (37 C.F.R. § 1.98(a)(2)) are enclosed.

- ☒ A Return Receipt Postcard is enclosed (MPEP §503).
- ☐ Priority of application number _____ filed on _____ in _____
_____ is claimed under 35 U.S.C. §119.
 - ☐ A certified copy of the priority document is enclosed.
- ☐ A Computer Program Listing Appendix is enclosed.
 - ☐ A Transmittal Cover Letter for Computer Program Listing Appendix is enclosed.
 - ☐ Two (2) Compact Discs are enclosed.
- ☒ A Nucleotide and/or Amino Acid Sequence Submission is enclosed.
 - ☒ A Computer Readable Copy is enclosed.
 - ☒ A Paper Copy (Identical to Computer Copy) is enclosed as pages 22 and 23.
 - ☒ A Statement Verifying Identity of above Copies is enclosed.
- ☒ The filing fee is calculated below:

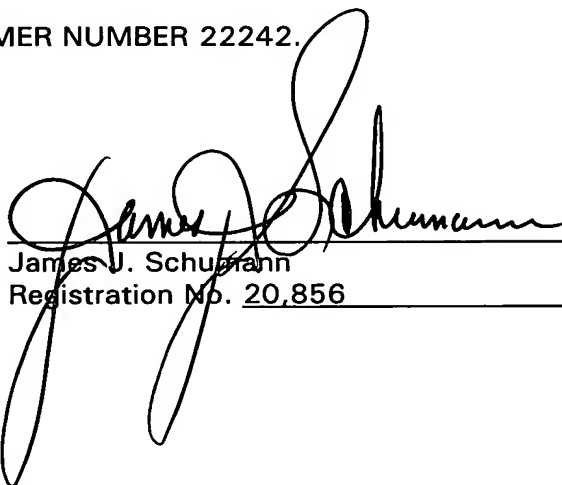
Fee Calculation For Claims As Filed

| | | | | | | | | | |
|-----------------------------------|----|---|----|---|---|---|------------------|----|-----------|
| Basic Fee | | | | | | | | \$ | 770.00 |
| Independent Claims | 5 | - | 3 | = | 2 | x | \$ 86.00 | = | \$ 172.00 |
| Total Claims | 21 | - | 20 | = | 1 | x | \$ 18.00 | = | \$ 18.00 |
| Fee for Multiply Dependent Claims | | | | | | | \$ 290.00 | | |
| | | | | | | | Total Filing Fee | \$ | 960.00 |

- ☒ Applicant(s) assert entitlement to Small Entity Status
(37 C.F.R. § 1.27), reducing the Filing Fee by half to: \$ 480.00
- ☐ A check in the amount of \$ _____ to cover the filing fee is enclosed.
- ☒ Charge \$ 480.00 to Deposit Account No. 06-1135.
- ☐ The payment of the Filing Fee is to be deferred until the Declaration is filed. Do not charge our Deposit Account.
- ☒ A separate written request under 37 C.F.R. §1.136(a)(3), which is a general authorization to treat any concurrent or future reply requiring a petition for an extension of time under 37 C.F.R. §1.136(a) for its timely submission as incorporating a petition for an extension of time for the appropriate length of time, is enclosed.

- ☒ The Director is hereby authorized to charge any additional fees which may be required in this application under 37 C.F.R. §§1.16-1.17 during its entire pendency, or credit any overpayment, to Deposit Account No. 06-1135. Should no proper payment be enclosed herewith, the Director is authorized to charge the unpaid amount to Deposit Account No. 06-1135. This sheet is filed in triplicate.
- ☒ Also enclosed:
Application Data Sheet
- ☒ Address all future communications to CUSTOMER NUMBER 22242.

March 1, 2004
Date



James J. Schumann
Registration No. 20,856

FITCH, EVEN, TABIN & FLANNERY
120 South LaSalle Street, Suite 1600
Chicago, Illinois 60603-3406
Telephone: (312) 577-7000
Facsimile: (312) 577-7007

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**FEE TRANSMITTAL
for FY 2004**

Effective 10/01/2003. Patent fees are subject to annual revision.

☒ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) 480.00

Complete if Known

| | |
|----------------------|---------------|
| Application Number | TBD |
| Filing Date | March 1, 2004 |
| First Named Inventor | Soonkap Hahn |
| Examiner Name | TBD |
| Art Unit | TBD |

Attorney Docket No. 81671

METHOD OF PAYMENT (check all that apply)
☐ Check ☐ Credit Card ☐ Money Order ☐ Other ☐ None
☒ Deposit Account

| | |
|------------------------|-------------------------------|
| Deposit Account Number | 06-1135 |
| Deposit Account Name | Fitch, Even, Tabin & Flannery |

The Director is authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☒ Credit any overpayments☐ Charge any additional fee(s) or any underpayment of fee(s)☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.**FEE CALCULATION****1. BASIC FILING FEE**

| Large Entity | | Small Entity | | Fee Description | Fee Paid |
|--------------|----------|--------------|----------|------------------------|----------|
| Fee Code | Fee (\$) | Fee Code | Fee (\$) | | |
| 1001 | 770 | 2001 | 385 | Utility filing fee | 385.00 |
| 1002 | 340 | 2002 | 170 | Design filing fee | |
| 1003 | 530 | 2003 | 265 | Plant filing fee | |
| 1004 | 770 | 2004 | 385 | Reissue filing fee | |
| 1005 | 160 | 2005 | 80 | Provisional filing fee | |

SUBTOTAL (1) (\$) 385.00

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

| Total Claims | Extra Claims | Fee from below | Fee Paid |
|--------------------|--------------|----------------|--------------|
| 21 | -20**= 1 | X 9 | = 9 |
| Independent Claims | 5 | -3**= 2 | X 43 = 86.00 |
| Multiple Dependent | | | |

| Large Entity | | Small Entity | | Fee Description | Fee Paid |
|--------------|----------|--------------|----------|--|----------|
| Fee Code | Fee (\$) | Fee Code | Fee (\$) | | |
| 1202 | 18 | 2202 | 9 | Claims in excess of 20 | |
| 1201 | 86 | 2201 | 43 | Independent claims in excess of 3 | |
| 1203 | 290 | 2203 | 145 | Multiple dependent claim, if not paid | |
| 1204 | 86 | 2204 | 43 | **Reissue independent claims over original patent | |
| 1205 | 18 | 2205 | 9 | ** Reissue claims in excess of 20 and over original patent | |

SUBTOTAL (2) (\$) 95.00

**or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)**3. ADDITIONAL FEES**

| Large Entity | | Small Entity | | Fee Description | Fee Paid |
|--------------|----------|--------------|----------|--|----------|
| Fee Code | Fee (\$) | Fee Code | Fee (\$) | | |
| 1051 | 130 | 2051 | 65 | Surcharge - late filing fee or oath | |
| 1052 | 50 | 2052 | 25 | Surcharge - late provisional filing fee or cover sheet | |
| 1053 | 130 | 1053 | 130 | Non-English specification | |
| 1812 | 2,520 | 1812 | 2,520 | For filing a request for <i>ex parte</i> reexamination | |
| 1804 | 920* | 1804 | 920* | Requesting publication of SIR prior to Examiner action | |
| 1805 | 1,840* | 1805 | 1,840* | Requesting publication of SIR after Examiner action | |
| 1251 | 110 | 2251 | 55 | Extension for reply within first month | |
| 1252 | 420 | 2252 | 210 | Extension for reply within second month | |
| 1253 | 950 | 2253 | 475 | Extension for reply within third month | |
| 1254 | 1,480 | 2254 | 740 | Extension for reply within fourth month | |
| 1255 | 2,010 | 2255 | 1,005 | Extension for reply within fifth month | |
| 1401 | 330 | 2401 | 165 | Notice of Appeal | |
| 1402 | 330 | 2402 | 165 | Filing a brief in support of an appeal | |
| 1403 | 290 | 2403 | 145 | Request for oral hearing | |
| 1451 | 1,510 | 1451 | 1,510 | Petition to institute a public use proceeding | |
| 1452 | 110 | 2452 | 55 | Petition to revive - unavoidable | |
| 1453 | 1,330 | 2453 | 665 | Petition to revive - unintentional | |
| 1501 | 1,330 | 2501 | 665 | Utility issue fee (or reissue) | |
| 1502 | 480 | 2502 | 240 | Design issue fee | |
| 1503 | 640 | 2503 | 320 | Plant issue fee | |
| 1460 | 130 | 1460 | 130 | Petitions to the Commissioner | |
| 1807 | 50 | 1807 | 50 | Processing fee under 37 CFR 1.17(q) | |
| 1806 | 180 | 1806 | 180 | Submission of Information Disclosure Stmt | |
| 8021 | 40 | 8021 | 40 | Recording each patent assignment per property (times number of properties) | |
| 1809 | 770 | 2809 | 385 | Filing a submission after final rejection (37 CFR § 1.129(a)) | |
| 1810 | 770 | 2810 | 385 | For each additional invention to be examined (37 CFR § 1.129(b)) | |
| 1801 | 770 | 2801 | 385 | Request for Continued Examination (RCE) | |
| 1802 | 900 | 1802 | 900 | Request for expedited examination of a design application | |

Other fee (specify) _____

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$) 0

SUBMITTED BY

Name (Print/Type) James J. Schumann

Registration No. (Attorney/Agent)

20,856

Complete (if applicable)

Telephone

858-552-1311

Signature

Date

March 1, 2004

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization of PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 37 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450 Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

| | | | |
|-----------------------|---|---|--|
| First Named Inventor: | Soonkap Hahn |) | <u>CERTIFICATE OF MAILING BY "EXPRESS MAIL"</u> |
| | |) | "Express Mail" Mailing Label Number |
| | |) | <u>EV 140721547 US</u> |
| Filed: | Herewith |) | Date of Deposit <u>March 1, 2004</u> |
| Title: | DETECTION OF STRP, SUCH AS FRAGILE X SYNDROME |) | I hereby certify that this paper or fee is being deposited with sufficient postage utilizing the United States Postal Service "Express Mail Post Office to Addressee" Service under 37 CFR §1.10 on the date indicated above and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. |
| <hr/> | |) | |
| Attorney Docket No.: | 81671 |) | <u>Karin E. Harden</u> |
| | |) | (Typed or printed name of person mailing) |
| Customer No.: | 22242 |) | <u>Karin E. Harden</u> |
| | |) | (Signature of person mailing) |
| | |) | |

**GENERAL AUTHORIZATION FOR PETITION FOR
EXTENSION OF TIME UNDER 37 C.F.R. §1.136(a)(3)**

Mail Stop PATENT APPLICATION
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Applicant(s) hereby request under 37 C.F.R. §1.136(a)(3) by this general authorization that any concurrent or future reply submitted by Applicant(s) to the United States Patent and Trademark Office for the above-identified patent application requiring a petition for an extension of time under §1.136(a) for its timely submission be treated as incorporating therein a petition for an extension of time for the appropriate length of time.

If Applicant(s) do not timely pay for any extension fee(s) pursuant to 37 C.F.R. §1.136(a) which may become due for this application under 37 C.F.R. §1.17 by check, the Director is hereby authorized to charge such fee(s), and any additional fees which may be required in this application under 37 C.F.R. §§1.16-1.17 during its entire pendency, or credit any overpayment, to Deposit Account No. 06-1135.

March 1, 2004
Date


James J. Schumann
Registration No. 20,856

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